

79310

SCHERING-PLOUGH CORPORATION
LAW DEPARTMENT
2000 GALLOPING HILL ROAD
K-6-1, MAIL STOP 1990
KENILWORTH, NEW JERSEY 07033
(908) 298-4000

FACSIMILE TRANSMITTAL SHEET

TO:

Examiner Janet Coppins
USPTO

FAX NUMBER:

(703) 746-9037
(703) 872-9306

FROM:

Thomas A. Blinka

PHONE NUMBER:

(908) 298-6791

TOTAL NO. OF PAGES INCLUDING COVER

12

DATE

December 9, 2003

CONFIDENTIALITY NOTE: This sheet and/or the document(s) accompanying it contain information belonging to Schering-Plough Corporation and/or its affiliates which is confidential and/or legally privileged. The information is intended only for the use of the individual or entity named above. If you have received this fax in error, please immediately notify us by telephone. If there is a problem with this transmission please call Shawn Armstrong at (908) 298-5255.

NOTES/COMMENTS:

PLEASE HAND DELIVER

In re Application of: Joseph A. Kozlowski *et al.*
For Patent For: Cannabinoid Receptor Ligands
Group Art Unit: 1625 Filed: 02/06/2002
Attorney Docket No.: AL01381K US/ Serial No.: 10/072,354

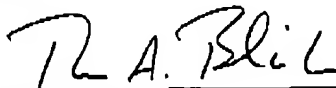
Dear Examiner Coppins:

Transmitted herewith are:

- Communication - 1 Page
- Certificate of Transmission - PTO/SB/97 - 1 Page
- Fax Cover Sheet - 1 Page

Copies of previously submitted documents include:

Post Card dated September 16, 2003 - 1 Page
Certificate of Mailing PTO/SB/92 - 1 Page
Request for Continued Examination Transmittal PTO/SB/30 - 1 Page
Information Disclosure Statement - 2 Pages
PTO-1449 Form - 1 Page in duplicate
Fee Transmittal PTO/SB/17 - 1 Page in duplicate


Thomas A. Blinka
Registered Representative
Registration No. 44,541

Attorney Docket No.: AL01381K

First Named Inventor: Joseph A. Kozlowski et al.

Application No.: 10/072,354

Filing Date: 02/06/2002

PTO/SB/97 (08-00)

Approved for use through 10/31/2002, OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

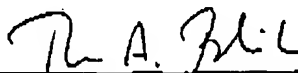
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the
United States Patent and Trademark Office (703)746-9037 and (703) 872-9306

on 12/09/2003

Date



Signature

Thomas A. Blinka, Reg. No. 44,541

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of transmission, or this certificate must identify
each submitted paper.

Documents enclosed:

Communication - 1 Page

Fee Transmittal PTO/SB17 - 1 pg. in dup.

Certification of Fax Transmission - 1 Page

IDS - 2 Page -

Fax Cover Sheet - 1 Page

PTO-1449 Form 1 Page in duplicate

Copies of previously submitted documents include:

Post Card dated September 16, 2003 - 1 Page

Certificate of Mailing PTO/SB92 - 1 Page

Request for Continued Examination Transmittal PTO/SB/30 - 1 Page

Burden Hour Statement: This form is estimated to take 0.03 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PATENT CASE: AL01381K

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Joseph A. Kozlowski et al.

For Patent For:

CANNABINOID RECEPTOR LIGANDS

Serial No.: 10/072,354

Filed: 02/06/2002

Examiner: **Janet Coppins**

Group Art Unit: 1625

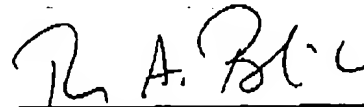
Date: **December 9, 2003**Schering-Plough Corporation
Kenilworth, New Jersey 07033-0530Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450**COMMUNICATION**

Examiner Coppins:

As you requested in our telephone conversation of December 5, 2003, I am enclosing herewith copies of the filing receipt, Request for Continued Examination, Fee Transmittal, Information Disclosure State, and Form PTO-1449 that were filed on September 16, 2003.

Respectfully submitted,

SCHERING-PLOUGH CORPORATION

Thomas A. Blinka
Attorney for Applicants
Reg. No. 44,541
(908) 298-6791

Copy

Attorney Docket No.: AL0138.

Application No.: 10/072,354

Filing Date: 02/06/2002

Inventor: Joseph A. Kozlowski et al.

PTO:5692 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

on 09/16/2003
Date

Signature

Ann Marie Cannoni, Reg. No. 35,972

Typed or printed name of person of signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Documents submitted:

Request for Continued Examination Transmittal PTO/SB/30 - 1 Page

References (30)

Fee Transmittal PTO/SB/17 - 1 Page in duplicate

Post Card

Information Disclosure Statement - 2 Pages

PTO-1449 - 1 Page in duplicate

Certificate of Mailing - PTO/SB92 - 1 Page

Burden Hour Statement: This form is estimated to take 0.03 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Copy

Sheet 1 of 1

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: AL01381K		SERIAL NO.: 10/072,354	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT: JOSEPH A. KOZLOWSKI et al.			
				FILING DATE: 02/06/2002		GROUP: 1625	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
JLC	AB	4466965	08/21/84	Stout et al.			
	AC	4567184	01/28/86	Musser et al.			
	AD	5332820	07/26/94	Duncia et al.			
	AE	5486525	01/23/96	Summers, Jr. et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
JLC	AF	DE19533644	09/12/95	GERMANY			
	AG	EP0181568	10/30/85	EPO			
	AH	EP0401030	05/31/90	EPO			
	AI	EP0407217	07/06/90	EPO			
	AJ	EP1031571	10/23/98	EPO			
	AK	EP1283039	05/18/01	EPO			
	AL	WO 93/21158	10/28/93	PCT			
	AM	WO 96/23783	08/08/96	PCT			
	AN	WO 97/03953	02/06/97	PCT			
	AO	WO 98/10763	03/19/98	PCT			
	AP	WO 98/31227	07/23/98	PCT			
	AQ	WO 98/33769	08/06/98	PCT			
	AR	WO 98/41519	09/24/98	PCT			
	AS	WO 99/26612	06/06/99	PCT			
	AT	WO 99/50245	10/07/99	PCT			
	AU	WO 00/06146	02/10/00	PCT			
	AV	WO 01/37826	05/31/01	PCT			
	AW	WO 01/44172	06/21/01	PCT			
	AX	WO 01/44239	06/21/01	PCT			
	AY	WO 01/64642	09/07/01	PCT			
JLC	AZ	WO 03/042174	05/22/03	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
JLC	BA	Chemical Abstract of M. Curtin et al., "Discovery and Evaluation of a Series of 3-Acylindole Imidazopyridine Platelet-Activating Factor Antagonists", 41(1) J. Med. Chem. 74-95 (1998)					
	BB	Chemical Abstract of G. Hartman et al., "4-Substituted Thiophene - and Furan - 2-sulfonamides as topical carbonic anhydrase inhibitors" 35(21) J. Med. Chem. 3822-31 (1992)					
	BC	Chemical Abstract of G. Hartman et al., "Synthesis and derivatization of 4-(arylsulfonyl) thiophene -and - furan - 2 sulfonamides", 27(2) J. Heterocycl. Chem. 127 - 34 (1990)					
	BD	Chemical Abstract of P. Cozzi et al., "New N-(2-ethoxyethyl)-N-(4-phenoxybenzyl) dichloroacetamides as potent antiamebic agents 18(3) Eur. J. Med. Chem. 203-208 (1983)					
	BE	Chemical Abstract of WO 200183460 A1					
	BF	Chemical Abstract of WO 99/36393 A1					
	BG	Chemical Abstract of P 06072979 A1					
	BH	U.S. Patent Application No. 03/024,398 (AL01381K1) for "Cannabinoid Receptor Ligands", filed August 5, 2003					
JLC	BI	U.S. Patent Application No. 10/464,174 (AL01561K) for "Cannabinoid Receptor Agonists", filed June 17, 2003					
EXAMINER Jat & Cpp				DATE CONSIDERED 12/11/03			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Copy

PTO/SB/33 (CS-53)

Approved for use through 04/30/2003 OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Request For Continued Examination (RCE) Transmittal

Address to:
Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	10:072.354
Filing Date	02:06:2002
First Named Inventor	Joseph A. Kozlowski
Art Unit	1625
Examiner Name	Coppins, Janet L.
Attorney Docket Number	AL01381K

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application. Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

a. ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

i. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

ii. ☐ Other _____

b. ☒ Enclosed

i. ☐ Amendment/Reply

iii. ☒ Information Disclosure Statement (IDS)

ii. ☐ Affidavit(s)/Declaration(s)

iv. ☐ Other _____

2. Miscellaneous

a. ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

b. ☐ Other _____

3. Fees

The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

The Director is hereby authorized to charge the following fees, or credit any overpayments, to

a. ☒ Deposit Account No. 19-0395 (See attached Fee Transmittal)

i. ☒ RCE fee required under 37 CFR 1.17(e)

ii. ☐ Extension of time fee (37 CFR 1.136 and 1.17)

iii. ☐ Other _____

b. ☐ Check in the amount of \$ _____ enclosed

c. ☐ Payment by credit card (Form PTO-2038 enclosed)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Name (Print/Type)	Ann Marie Cannoni	Registration No. (Attorney/Agent)	135,972
Signature	<i>Ann Marie Cannoni</i>	Date	09/16/2003

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

Name (Print/Type)		Date	
Signature			

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Copy

RECEIVED IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Joseph A. Kozlowski et al.
Serial No.: 10/072,354 Atty: AMC:sa
Filed: 02/06/2002 Case No: AL01381K
For: Cannabinoid Receptor Ligands
Enclosed:

- ☒ Certificate of Mailing PTO/SB/92 (1 page)
- ☐ Response Transmittal Form (PTO/SB/21)
- ☒ Fee Transmittal (PTO/SB/17) In Duplicate
- ☐ Response To Notice to File Missing Parts (____pages)
- ☐ Copy of Notice to File Missing Parts
- ☐ Declaration of Power (Exec./Unexec./Copy) (____pages)
- ☐ Sequence Listing (____pages)
- ☐ Sequence Listing Statement (____pages)
- ☐ Sequence Listing Diskette
- ☐ Amendment or Response (____pages)
- ☐ Petition for Extension of Time (PTO/SB/22) (____Months)
(____Duplicate)
- ☒ Information Disclosure Statement (2 pages)
- ☒ Form PTO 1449 (1 pages) (30 documents) **in duplicate**
- ☐ Issue Fee Transmittal (Part B) In Duplicate
- ☐ Assignment Recordation (PTO-1595) (1 page) In Duplicate
- ☐ Recordation Form Cover Sheet Continuation (____pages)
- ☐ Assignment Document (____pages)
- ☒ Charge to Deposit Account No. 19-0365
in the amount of \$ 750.00
- ☒ Request for Continued Examination - 1 Page
- ☒ Post Card
- ☐
- ☐
- ☐

Date Mailed: 09/16/2003

0964 (8/03)

Copy

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): **Joseph a. Kozlowski et al.** : Group Art Unit: **1625**
Serial No.: **10/072,354** : Examiner: **Coppins, Janet L.**
Filed: **02/06/2002** : Attorney Docket No. : **AL01381K**
For: **Cannabinoid Receptor Ligands** X

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to Rule 56, it is requested that the documents listed on the accompanying PTO-1449 Form be considered and made of record in the above-identified patent application. Copy(ies) of these references ☒ are attached ☐ were filed in related application U.S. Serial No(s) _____ filed _____, respectively.

(b) No fee is believed due because:

- ☐ This Information Disclosure Statement is being filed within three (3) months of the filing date of the application.
- ☐ This Information Disclosure Statement is being concurrently filed with the above-identified application.
- ☒ This Information Disclosure Statement is being concurrently filed with a Request for Continued Examination (RCE).
- ☐ This Information Disclosure Statement is being filed prior to the mailing of a first Office Action on the merits.

(c) ☐ This Information Disclosure Statement is being filed before the mailing date of any final action, notice of allowance or an action that otherwise closes prosecution; and

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ The Commissioner is hereby authorized to charge the requisite fee listed on the attached Fee Transmittal Sheet.

Copy

Serial No. 10/072,354
September 16, 2003
Page 2 of 2

- (d) ☐ This Information Disclosure Statement is being filed on or before the payment of the issue fee; and
- ☐ Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; and
- ☐ The Commissioner is hereby authorized to charge the requisite fee listed on the attached Fee Transmittal Sheet.
- ☐ The Commissioner is hereby authorized to charge any additional fees which may be required for this Information Disclosure Statement, or credit any overpayment to Deposit Account No. 19-0395, Patent Case No. _____. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,
SCHERING-PLOUGH CORPORATION

Dated: 09/16/2003
SCHERING-PLOUGH CORPORATION
Patent Department, K-6-1, 1990
2000 Galloping Hill Road
Kenilworth, NJ 07033-0530
Facsimile No.: (908) 298-5388

By: _____
Name: **Ann M. Cannoni**
Reg. No.: **35,972**
Attorney of Record
Telephone No.: (908) 298-5024

37233_2.DOC

Copy

Express Mail Label No.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO-SB-17 (01-33)

Approved for use through 04/30/2003. OMB 0851-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**FEE TRANSMITTAL
for FY 2003**

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 750.00)

Complete if Known

Application Number	10/072.354
Filing Date	02/06/2002
First Named Inventor	Joseph A. Kozlowski
Examiner Name	Coppins, Janet L.
Art Unit	1625
Attorney Docket No.	AL01381K

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number
Deposit Account Name

19-0365

Schering-Plough Corporation

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$ 0.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	64	2201	42	Independent claims in excess of 3	
1203	260	2203	140	Multiple dependent claim, if not paid	
1204	84	2204	42	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$ 0.00)

**or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1808	180	1808	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	750.00
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 750.00)

SUBMITTED BY

Name Ann Marie Cannoni

Registration No.
(Attorney/Agent)

35,972

Telephone 908-298-5024

Signature

Date 09/16/2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

For free assistance in completing the form, call 1-800-PTO-6-998 (1-800-756-9198) and select option 2.

DUPLICATE

Copy

Express Mail Label No.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB-17 (10-03)

Approved for use through 04/30/2003. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL
for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$ 750.00)**Complete if Known**

Application Number	10/072,354
Filing Date	02/06/2002
First Named Inventor	Joseph A. Kozlowski
Examiner Name	Coppins, Janet L.
Art Unit	1625
Attorney Docket No.	AL01381K

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number
Deposit Account Name

19-0365

Schering-Plough Corporation

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$ 0.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 84	2201 42	Independent claims in excess of 3	
1203 280	2203 140	Multiple dependent claim, if not paid	
1204 84	2204 42	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)			(\$ 0.00)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 465	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1808 180	1808 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	750.00
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 750.00)**SUBMITTED BY**

Name (Print/Type) Ann Marie Cannoni

Registration No. (Attorney/Agent)

35,972

Telephone 908-298-5024

Signature

Date 09/16/2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-796-8155) and select Option 2.